

ABSTRACT

The present invention provides a switching element in which the compositional deviation of material is suppressed and that attains uniform bistability performance and is suitable for mass production.

In a switching element comprising an organic bistable material, which exhibits two stable states in resistance under applied voltage, arranged between at least two electrodes, the organic bistable material comprises at least a compound having an electron-donating functional group and an electron-accepting functional group in each molecule. It is preferred that, for example, an aminoimidazole type compound, a pyridone type compound, a stilbene type compound or a butadiene type compound be used as the above compound.